# APPENDIX F: ENVIRONMENTAL CONSTRAINTS MAP

Los Angeles River Revitalization Study Area

I-10

S1-A1: I-10

SR 60

S1-A2: SR-60

UPRR

S1-A3: UPRR

S1-A4: UPRR ADJACENT

S1-A1.1/A1.2.1/A1.2.2

S1-A1.1

S1-A1.3/A1.4

S1-A1.5/A1.6

S1-A1.7/A1.8

S1-A2.1/A2.2

S1-A2.3

S1-A3.1/A4.1

S1-A3.2/A4.2

S1-A7: UPRR

LA River Master Plan-Downtown Industrial Area

Rio Hondo River Trail

San Gabriel River Trail

Whittier Narrows Recreation Area

Whittier Narrows Dam

Operating Industries, Inc. Landfill, Superfund Site

Los Angeles County Schabarum (Skyline) Trail

Whittier fault

East Montebello Hills fault (AKA Alhambra Wash fault)

Rio Hondo River

San Gabriel River

LOS ANGELES

ALHAMBRA

SAN GABRIEL

ROSEMEAD

TEMPLE CITY

EL MONTE

IRWINDALE

BALDWIN PARK

WEST COVINA

LA PUENTE

SOUTH EL MONTE

MONTEREY PARK

MONTEBELLO

COMMERCE

PICO RIVERA

WHITTIER

LA HABRA HEIGHTS

LA HABRA

INDUSTRY

DOWNEY

SANTA FE SPRINGS

BELL

BELL GARDENS

CUDAHY

PARAMOUNT

NORWALK

LA MIRADA

Bandini

East Los Angeles

Montebello

Lapworth (Abd)

N. Whittier Heights (Abd)

Turnbull (Abd)

Whittier

Boyle Heights (Abd)

Union Station

Elysian Park Pond

Ascot Reservoir

Lincoln Park Lake

Hollenbeck Park Lake

Carvey Reservoir

Legg Lake

Puente Creek

Walnut Creek

Los Angeles River

LEGEND

- Potential HST Station Location
- Below Grade or Above Grade Optionl
- At Grade or Above Grade Option
- Above Grade Structure
- At Grade
- Below Grade Option
- Airports
- Highways
- Railroads
- Rivers
- Oil Fields
- Water Bodies
- County Boundary
- City Boundary
- Federal Lands
- Wildlife Preserves
- Parks/Open Space
- Preserve
- Recreation Trail
- Quaternary Fault (< 1.6 million years)
- Holocene Active Fault (< 11,000 years)
- Superfund Sites (approximate locations)
- 1997 EPA Volatile Organic Compound Data

**USFWS Designated Critical Habitat**

- California Gnatcatcher Habitat

Alignment Data from 01/26/2011

N

0 0.3 0.6

Miles

**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**Los Angeles County (West)**

IRWINDALE
AZUSA
GLENDORA
Indian Hill fault
Metro/Metrolink
S1-A5: METROLINK
CLAREMONT
UPLAND
LA VERNE
S1-A5: METROLINK
BALDWIN PARK
COVINA
Walnut Creek fault
Puddingstone Reservoir
Frank G Bonelli Regional Park
S1-A6: I-10
SAN DIMAS
Holt Corridor
I-10
Walnut Creek
WEST COVINA
MONTCLAIR
S1-A6.1
San Jose fault
S1-A7
POMONA
S1-A6.2
UPRR
First
LA PUENTE
WALNUT
Industry Hills
Rec Center Pond
Walnut
San Jose Creek Trail
San Jose Creek
Fuente Creek
INDUSTRY
Rowland (Abd)
S1-A7: UPRR
DIAMOND BAR
LOS ANGELES COUNTY
LA HABRA HEIGHTS
WHITTIER
LA HABRA
BREA
BREA
Whittier fault zone
Orange County Reservoir
CHINO H
SA
BERNA
COU

LEGEND

- Potential HST Station Location
- Above Grade Structure
- Below Grade Option
- Below Grade or Above Grade Optionl
- At Grade
- At Grade or Above Grade Option
- Potential HST Station Location
- Airports
- Highways
- Railroads
- Rivers
- Oil Fields
- Water Bodies
- Recreation Trail
- County Boundary
- City Boundary
- Quaternary Fault (< 1.6 million years)
- Holocene Active Fault (< 11,000 years)
- Wildlife Preserves
- Parks/Open Space
- Federal Lands
- Superfund Sites (approximate locations)
- 1997 EPA Volatile Organic Compound Data

**USFWS Designated Critical Habitat**

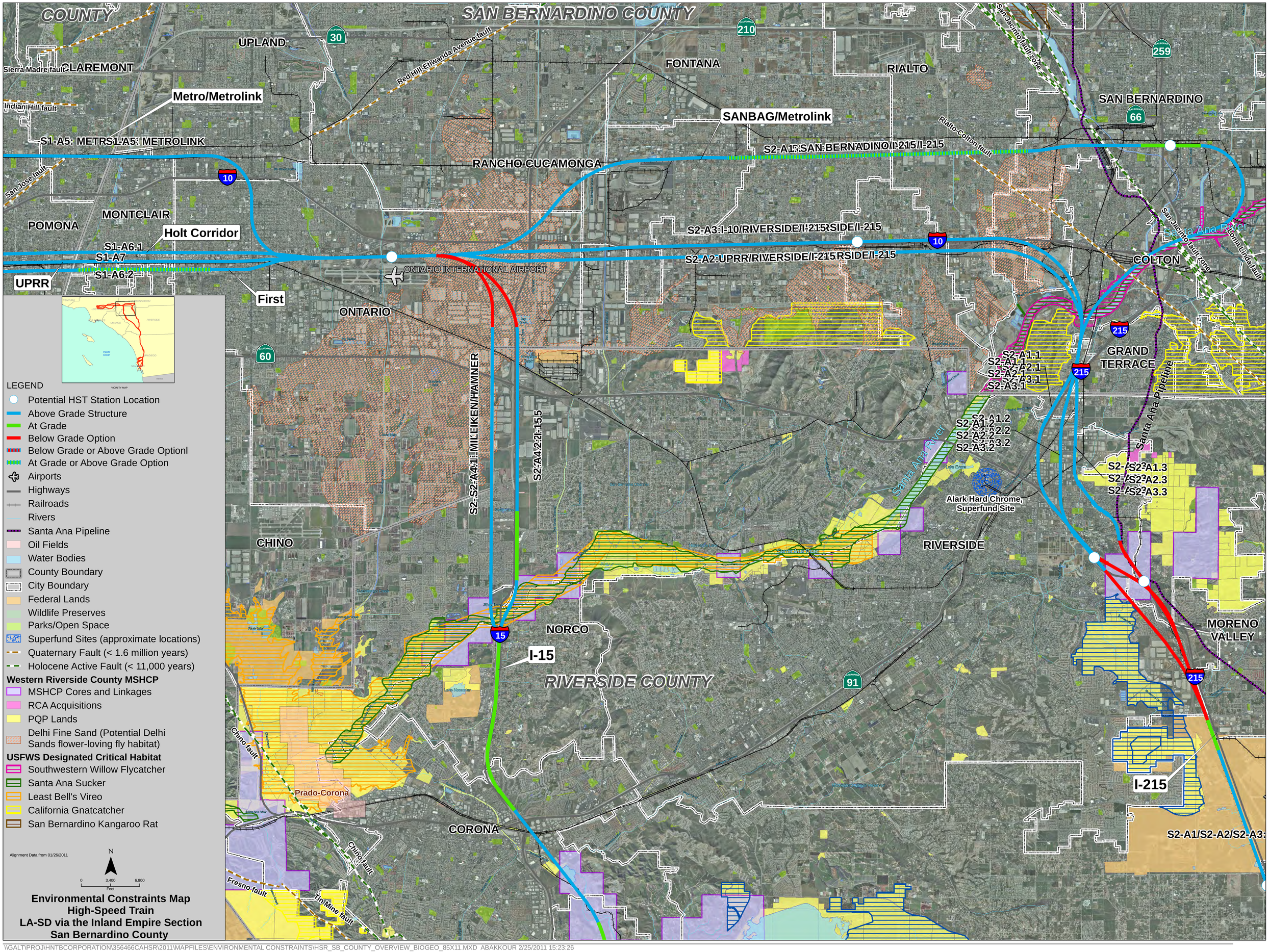
- California Gnatcatcher Habitat

Alignment Data from 01/26/2011

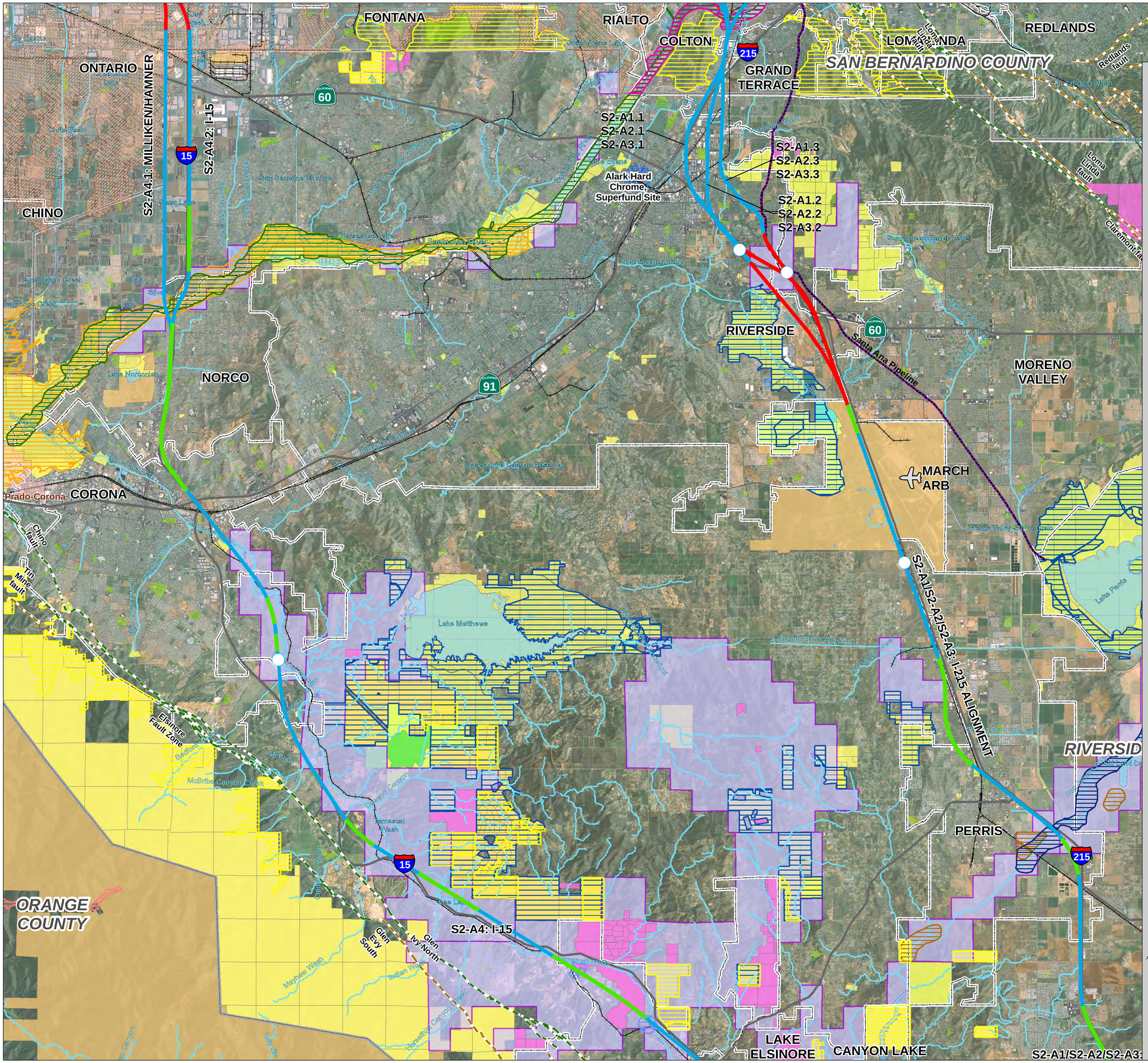
N

0 0.3 0.6
Miles

**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**Los Angeles County (East)**




**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**San Bernardino County**




LEGEND

- Potential HST Station Location
- Above Grade Structure
- Below Grade Option
- At Grade
- Below Grade or Above Grade Optionl
- At Grade or Above Grade Option
- Airports
- Highways
- Railroads
- Santa Ana Pipeline
- Rivers
- Oil Fields
- Water Bodies
- County Boundary
- City Boundary
- Federal Lands
- Wildlife Preserves
- Parks/Open Space
- Superfund Sites (approximate locations)
- Quaternary Fault (< 1.6 million years)
- Holocene Active Fault (< 11,000 years)

**Western Riverside County Reserves**

- MWD
- El Sobrante Landfill
- Estelle Mountain
- March Air Force Base
- Motte Rimrock
- Norton Younglove Reserve
- Potrero Acec
- San Jacinto/Lake Perris
- Santa Margarita Ecological Reserve
- Santa Rosa Plateau Nature Reserve
- Southwestern Riverside County Multi-Species Reserve
- Steele Park
- Sycamore Canyon
- Stephen's Kangaroo Rat Habitat

**Western Riverside County MSHCP**

- MSHCP Cores and Linkages
- RCA ACQUISITIONS
- PQP Lands
- Delhi Fine Sand (Potential Delhi Sands flower-loving fly habitat)

**USFWS Designated Critical Habitat**

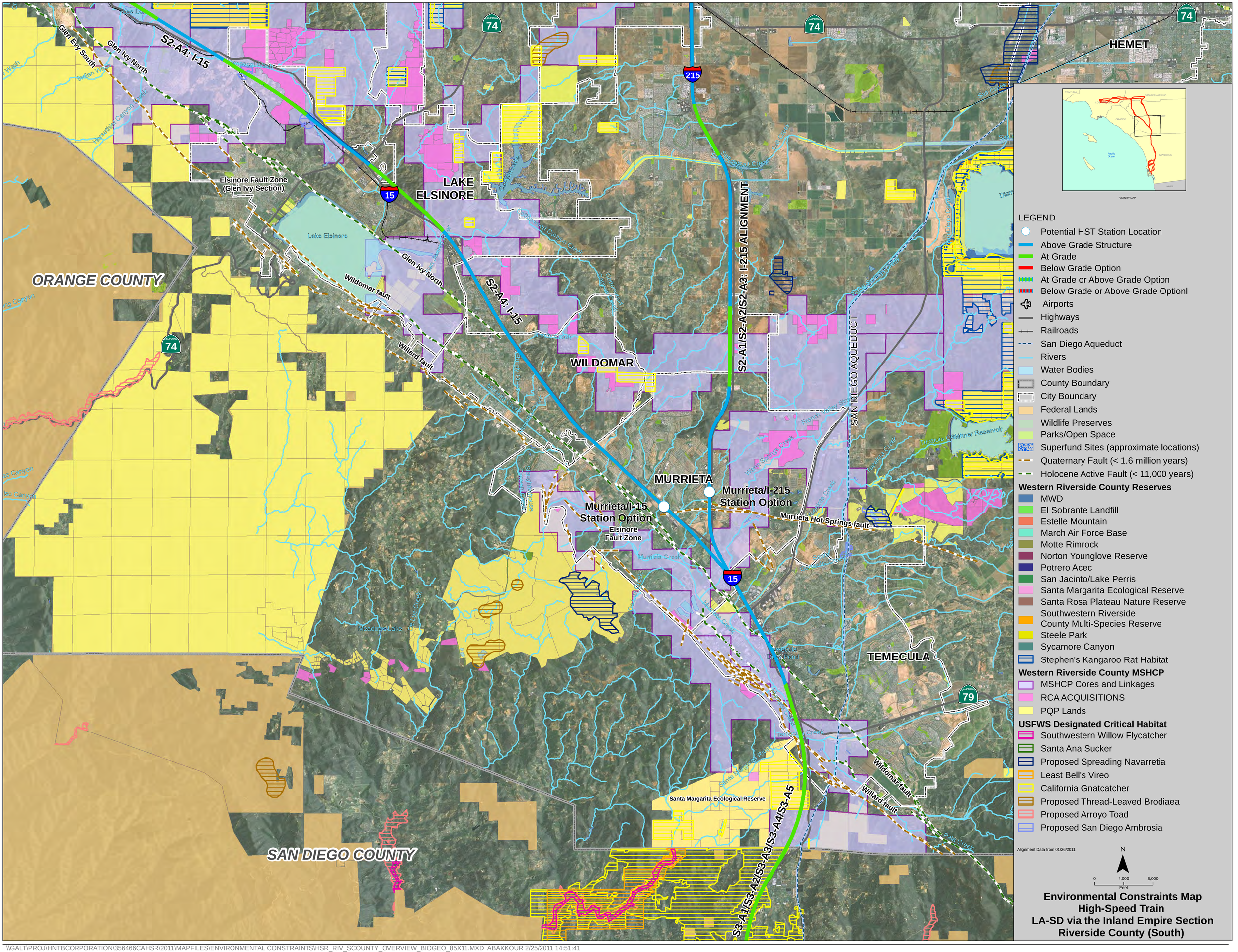
- Southwestern Willow Flycatcher
- Santa Ana Sucker
- Proposed Spreading Navarretia
- Least Bell's Vireo
- California Gnatcatcher
- Proposed Thread-Leaved Brodiaea
- Proposed Arroyo Toad
- Proposed San Diego Ambrosia

Alignment Data from 01/26/2011

N

0 4,000 8,000
Feet

**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**Riverside County (North)**




LEGEND

- Potential HST Station Location
- Above Grade Structure
- At Grade
- Below Grade Option
- At Grade or Above Grade Option
- Below Grade or Above Grade OptionI
- Airports
- Highways
- Railroads
- San Diego Aqueduct
- Rivers
- Water Bodies
- County Boundary
- City Boundary
- Federal Lands
- Wildlife Preserves
- Parks/Open Space
- Superfund Sites (approximate locations)
- Quaternary Fault (< 1.6 million years)
- Holocene Active Fault (< 11,000 years)

**Western Riverside County Reserves**

- MWD
- El Sobrante Landfill
- Estelle Mountain
- March Air Force Base
- Motte Rimrock
- Norton Younglove Reserve
- Potrero Acec
- San Jacinto/Lake Perris
- Santa Margarita Ecological Reserve
- Santa Rosa Plateau Nature Reserve
- Southwestern Riverside County Multi-Species Reserve
- Steele Park
- Sycamore Canyon
- Stephen's Kangaroo Rat Habitat

**Western Riverside County MSHCP**

- MSHCP Cores and Linkages
- RCA ACQUISITIONS
- PQP Lands

**USFWS Designated Critical Habitat**

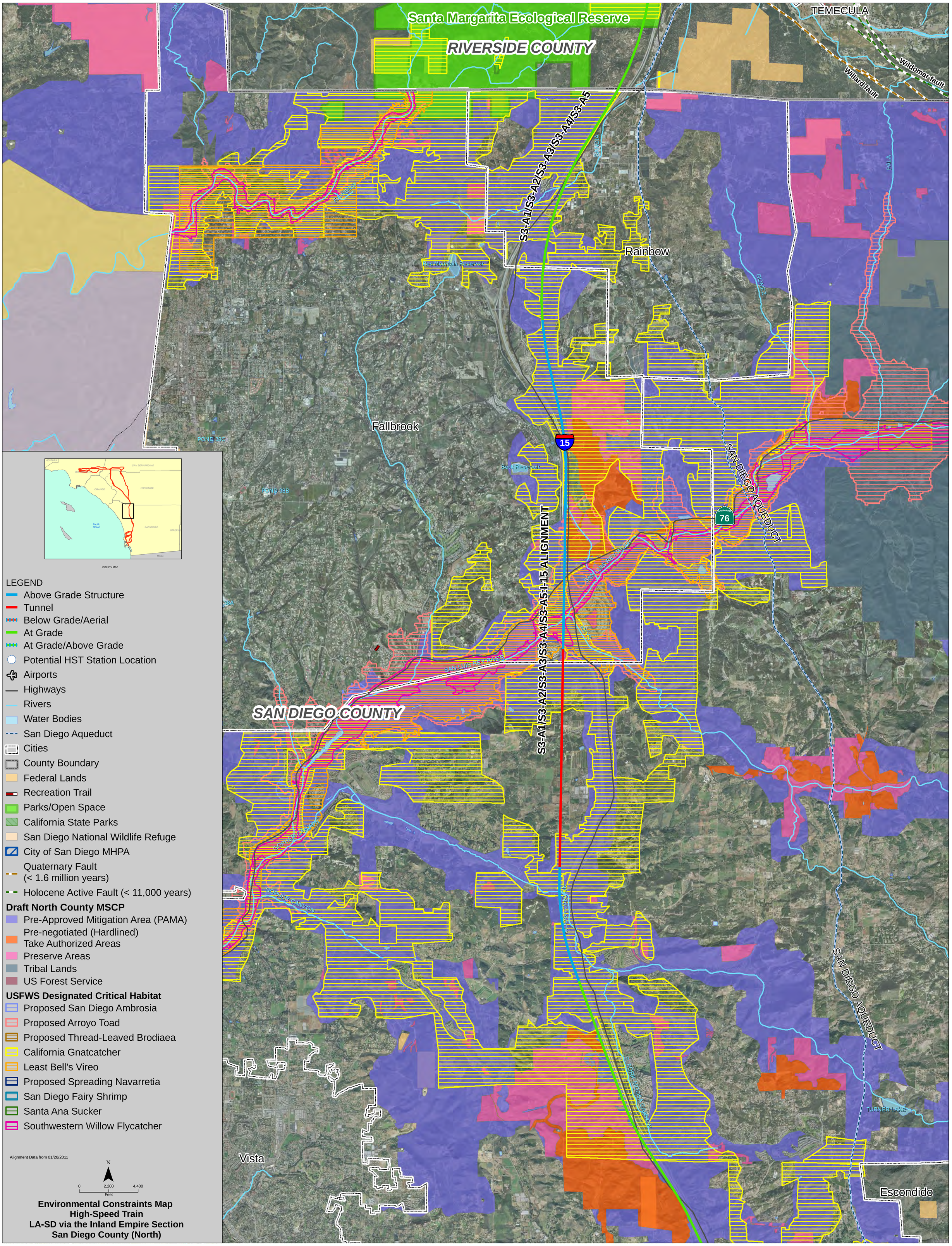
- Southwestern Willow Flycatcher
- Santa Ana Sucker
- Proposed Spreading Navarretia
- Least Bell's Vireo
- California Gnatcatcher
- Proposed Thread-Leaved Brodiaea
- Proposed Arroyo Toad
- Proposed San Diego Ambrosia

Alignment Data from 01/26/2011

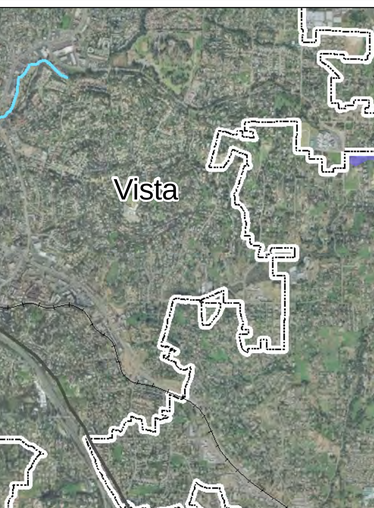
N

0 4,000 8,000
Feet

**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**Riverside County (South)**




**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**San Diego County (North)**




VICINITY MAP

LEGEND

- Above Grade Structure
- Tunnel
- Below Grade/Aerial
- At Grade
- At Grade/Above Grade
- Potential HST Station Location
- Airports
- Highways
- Rivers
- Water Bodies
- San Diego Aqueduct
- Cities
- County Boundary
- Federal Lands
- Recreation Trail
- Parks/Open Space
- California State Parks
- San Diego National Wildlife Refuge
- City of San Diego MHPA
- Quaternary Fault (< 1.6 million years)
- Holocene Active Fault (< 11,000 years)

**Draft North County MSCP**

- Pre-Approved Mitigation Area (PAMA)
- Pre-negotiated (Hardlined) Take Authorized Areas
- Preserve Areas
- Tribal Lands
- US Forest Service

**USFWS Designated Critical Habitat**

- Proposed San Diego Ambrosia
- Proposed Arroyo Toad
- Proposed Thread-Leaved Brodiaea
- California Gnatcatcher
- Least Bell's Vireo
- Proposed Spreading Navarretia
- San Diego Fairy Shrimp
- Santa Ana Sucker
- Southwestern Willow Flycatcher

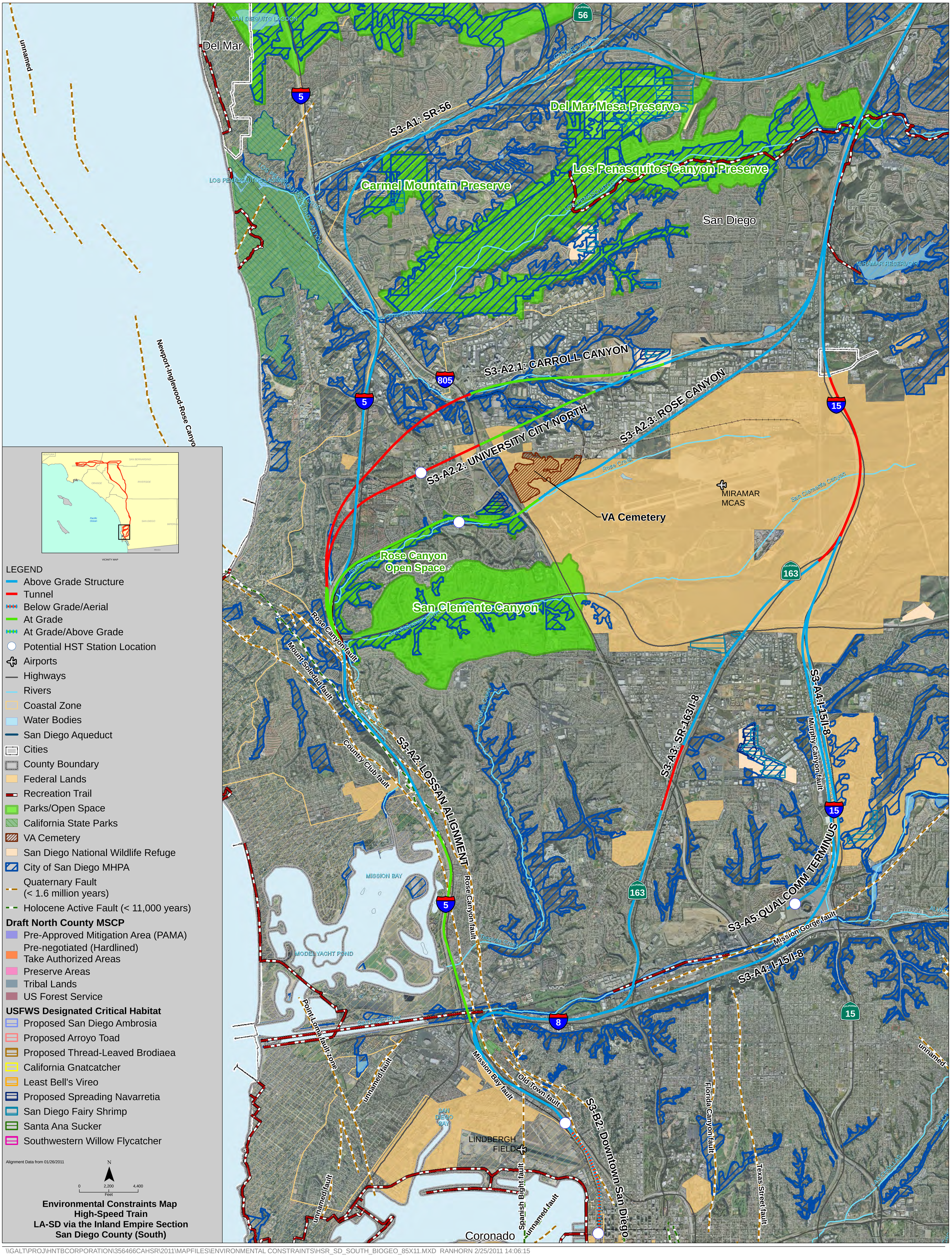
Alignment Data from 01/26/2011

N

0 2,200 4,400
Feet

**Environmental Constraints Map**
**High-Speed Train**
**LA-SD via the Inland Empire Section**
**San Diego County (Central)**

\\GALT\PROJ\HNTBCORPORATION\356466CAHSR\2011\MAPFILES\ENVIRONMENTAL CONSTRAINTS\HSR_SD_CENTRAL_BIOGEO_85X11.MXD RANHORN 2/25/2011 13:41:08


Del Mar
San Diego
unnamed
Newport-Inglewood-Rose Canyon
SAN DIEGUITO LAGOON
LOS PENASQUITOS LAGOON
LOS PENASQUITOS CREEK
CARROLL CANYON
CARMEL VALLEY
Del Mar Mesa Preserve
Los Penasquitos Canyon Preserve
Carmel Mountain Preserve
LOS PENASQUITOS
MIRAMAR RESERVOIR
S3-A1: SR-56
S3-A2.1: CARROLL CANYON
S3-A2.2: UNIVERSITY CITY NORTH
S3-A2.3: ROSE CANYON
Rose Creek
San Clemente Canyon
MIRAMAR MCAS
VA Cemetery
Rose Canyon Open Space
San Clemente Canyon
Rose Canyon fault
Mount Soledad fault
Country Club fault
S3-A2: LOSSAN ALIGNMENT
Tecolote Creek
S3-A3: SR-163/I-8
S3-A4: I-15/I-8
Murphy Canyon fault
S3-A5: QUALCOMM TERMINUS
Mission Gorge fault
Point Loma fault zone
unnamed fault
Mission Bay fault
Old Town fault
S3-B2: Downtown San Diego
Florida Canyon fault
Texas Street fault
Spanish Bight fault
MISSION BAY
MODEL YACHT POND
San Diego River
SAN DIEGO BAY
LINDBERGH FIELD
Coronado
VICINITY MAP
LEGEND
Above Grade Structure
Tunnel
Below Grade/Aerial
At Grade
At Grade/Above Grade
Potential HST Station Location
Airports
Highways
Rivers
Coastal Zone
Water Bodies
San Diego Aqueduct
Cities
County Boundary
Federal Lands
Recreation Trail
Parks/Open Space
California State Parks
VA Cemetery
San Diego National Wildlife Refuge
City of San Diego MHPA
Quaternary Fault (< 1.6 million years)
Holocene Active Fault (< 11,000 years)
Draft North County MSCP
Pre-Approved Mitigation Area (PAMA)
Pre-negotiated (Hardlined) Take Authorized Areas
Preserve Areas
Tribal Lands
US Forest Service
USFWS Designated Critical Habitat
Proposed San Diego Ambrosia
Proposed Arroyo Toad
Proposed Thread-Leaved Brodiaea
California Gnatcatcher
Least Bell's Vireo
Proposed Spreading Navarretia
San Diego Fairy Shrimp
Santa Ana Sucker
Southwestern Willow Flycatcher
Alignment Data from 01/26/2011
N
0
2,200
4,400
Feet
Environmental Constraints Map
High-Speed Train
LA-SD via the Inland Empire Section
San Diego County (South)